

CLAIMS

1. A tungsten sealing glass for use in a fluorescent lamp, said glass having a composition of, by mass percent, 65-76 % SiO_2 , 10-25 % B_2O_3 , 2-6 % Al_2O_3 , 0.5-5.8 % $\text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} + \text{ZnO}$, 3-8 % $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$, 0.01-4 % $\text{Fe}_2\text{O}_3 + \text{CeO}_2$, 0-10 % $\text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{PbO}$, and 0-2 % ZrO_2 , wherein $\text{Na}_2\text{O}/(\text{Na}_2\text{O} + \text{K}_2\text{O}) \leq 0.6$.

2. A tungsten sealing glass for use in a fluorescent lamp as claimed in claim 1, characterized in that the content of $\text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{PbO}$ is 0.05-10 %.

3. A tungsten sealing glass for use in a fluorescent lamp as claimed in claim 1, characterized in that the content of BaO is 0.1-4 %.

4. A tungsten sealing glass for use in a fluorescent lamp as claimed in claim 1, characterized in that $\text{Al}_2\text{O}_3/(\text{SiO}_2 + \text{Al}_2\text{O}_3)$ is 0.032-0.055.